| 1   | L Numbe | er Hit |   | DB        | l m ·                                   |
|---|---------|--------|---|-----------|---|
| Company   Comp    | 1       | 264    | 2 ((156/345.51) or (156/345.54) or                            | HCDATE.   | Time stamp                              |
| Comparison of     |         |        | (156/345.55) or $(414/935)$ or $(414/941)$ or                 | USPAT;    | 2004/10/13 09:55                        |
| 4   |         |        | (118/729) or (118/730)) CCLS                                  | 03-PGPUB  |   |
| (156/345.55) or (414/931) or (118/729). CCLS.) and (126/20165.1pc. c18/729). CCLS.) and (126/20165.1pc. c18/729). C23/0018.1pc. c18/729. c  | 2       |        | $4 \mid (((156/345.51) \text{ or } (156/345.54) \text{ or}))$ | HCDAM.    | 2004/10/10                              |
| (1187/29) or (1187/30).CCLS.) and (rotat54 with (gas) with (fin))  12 (c23c0165.ipc. h0110218.ipc. c23c0018.ipc. b6506498.ipc.) and (rotat54 with (gas) with (fin))  596 [M57/28.ccls. and ([aubstrates wafers]) with (parallel face facing))  113 [M57/28.ccls. and ([aubstrates wafers]) with (parallel face facing))  12 [M59/364.urm, 1]  13 [M57/28.ccls. and ([aubstrates wafers]) with (parallel face facing))  14 [M59/364.urm, 1]  15 [M57/28.ccls. and ([aubstrates wafers]) with (parallel face facing))  16 [M57/28.ccls. and ([aubstrates wafers]) with (parallel face facing))  17 [M50/290"] "369551"] "3005714" [USPAT] [USPAT  | i       |        | (156/345.55) or $(414/935)$ or $(414/941)$ or                 | USPAT;    | 2004/10/13 10:00                        |
| Crotats4 with (gas) with (fin)   C2236105, ipc. oh10215, ipc. c2376015, ipc.   DERWENT   DERWENT   With (fin)   With (fin)   With (fin)   With (fin)   With (fin)   With (fin)   With (parallel face facing)   Wish (p    |         |        | (118/729) or (118/730)) CCLS ) and                            | 02-PGPUB  |   |
| C23c016S.jpc.) and (rotat34 with (gas)   DERMENT   Sep60495.jpc.) and (rotat34 with (gas)   DERMENT   Sep60495.jpc.) and (rotat34 with (gas)   DERMENT   Sep6049   Sipc.) and (rotat34 with (gas)   DERMENT   Sep6049   Sipc.) and (rotat34 with (gas)   DERMENT   USPAT;     |         |        | (rotat\$4 with (gas) with (fin))                              |           |   |
| Despot 98, ipc.) and (rotat54 with (gas)   DERWENT   With (fini)   1187/28.ccls. and ((substrates wafers)   Wish (parallel face facing))   1187/28.ccls. and ((pair two) with (substrate wafer)   Wish (parallel face facing))   12   1593644.WRN.   Wish (parallel face facing)      | 6       | 12     | (c23c016s.ipc. h011021s ipc. c23E001c ipc.                    |           |   |
| See   |         |        | b65g0498 inc ) and (rotate4 with ()                           |           | 2004/10/13 10:02                        |
| 18/728.ccls. and ((substrates wafers)   USPAT; US-PGPUB   USPAT; US-PGPUB   USPAT; US-PGPUB   USPAT; USPA    |         |        | (gas) with (fin))   | DERWENT   | ĺ                                       |
| 113   | -       | 596    |   | 1         | ĺ                                       |
| 113   118/728.ccls. and ((pair two) with (usbstrate wafer) with (parallel face facing)   2003/11/03 11:00     |         |        | with (parallel face facing)                                   |           | 2004/10/13 09:48                        |
| Substrate wafer) with (parallel face   US-PGPUB   facing)   | -       | 113    | B   118/728 ccls and //naim har                               |           |   |
| Tacing)   |         |        | (substrate wafer) with (man)                                  | 1         | 2003/11/03 11:13                        |
| 17  |         |        | facing)   | US-PGPUB  |   |
| 17  | _       | 21     |   |           |   |
| "3805736"   "3877134"   "4033287"   "4047624"   "41375570"   "4152555"   "4282268"   "4399241"   "4313254"   "4328258"   "43793121"   "4313254"   "43128258"   "4379121"   "4313254"   "44570786"   "4461783").PN.  -   | _       | 1      | ("3602192"   "2650551"   "270551."                            |           | 2003/11/03 11:00                        |
| "4047624"   "4137550"   "4152535"   "4262268"   "4309241"   "4339254"   "4382288"   "4379181"   "4389967"   "4450786"   "4461783").PN.  6 ("3507248"   "4469983"   "4492852"   "4592307"   "4699983"   "4492852"   "4592307"   "4699983"   "4492852"   "4592307"   "4699983"   "4492852"   "598191"   "6113165"   "6116448").PN.  1   |         | 1      | "3805736"   "3077134"   "4022222"                             | USPAT     | 2003/11/03 11:02                        |
| "4282268"   "4339241"   "4313224"   "4382258"   "4379181"   "439967"   "4450786"   "4461783").PN.  6 ("3507248"   "3589936"   "4492852"   USPAT 2003/11/03 11:04  4 (21688.URPN. 6 ("5519035"   "4699083"   "4492852"   USPAT 2003/11/03 11:10  1 ("598191"   "61316165"   "6116848").PN. 118/728.ccls. and ((pair two dual) with (substrate wafer) with vertical\$4)  6 (substrate wafer) with vertical\$4)  1 (substrate wafer) with vertical\$4)  1 (substrate wafer) with vertical\$4)  1 (substrate wafer) with vertical\$4  2 ("303/11/03 11:13  2 ("5038711"   "5427620"   "5554224"   USPAT 2003/11/03 11:17  1 (616628.URPN. 1 ("4062318"   "5688331").PN.  2 ("60105246"   "5688331").PN.  2 ("60105246"   "6540468") or ("6497403") or ("5147168")).PN.  4 (("4062318"   "4774936"   "47749465"   USPAT 2003/11/03 11:35  1 ("4062318"   "4774936"   "47749465"   USPAT 2003/11/03 11:36  1 ("4042128"   "4274936"   "4749465"   USPAT 2003/11/03 11:36  2 ("6262393.URPN. 2 ("6267855"   "6267855"   USPAT 2003/11/03 11:40  2 ("19129553"   USPAT 2003/11/03 11:40  2 ("19129553"   USPAT 2003/11/03 11:40  2 ("19129553"   USPAT 2003/11/03 11:40  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24  2 ("101712 14:24   |         |        | "4047624"   "41337550"   "4155555"                            |           |   |
| "4450786" "4450786"   "445783") PN.  4 4877573.URPN. 6 ("3507248"   "3599936"   "4492852"   USPAT 2003/11/03 11:04 2003/11/03  | 1       |        | "4282268"   "4200241"   "4152535"                             | }         |   |
|   |         |        | "4329250"   "4309241"   "4313254"                             |           |   |
| S   |         |        | "4320236"   "4379181"   "4389967"                             |           |   |
| Comparison   Com    | i -     | 5      | 1 4450766"   "4461/83").PN.                                   |           | ]                                       |
| ## ## ## ## ## ## ## ## ## ## ## ## ##  | _       |        | 4077373.URPN.   | USPAT     | 2003/11/03 11:04                        |
| Comparison   Com    |         | 0      | "4503307"   "4492852"   | USPAT     | 2003/11/03 11:04                        |
| Comparison   "5851041"   "59558588"   USPAT   2003/11/03 11:10   USPAT   2003/11/03 11:13   USPAT   2003/11/03 11:13   USPAT   2003/11/03 11:13   USPAT   USPAT   2003/11/03 11:13   USPAT   2003/11/03 11:20   USPAT   2003/11/03 11:20   USPAT   2003/11/03 11:20   USPAT   2003/11/03 11:35   USPAT   2003/11/03 11:35   USPAT   2003/11/03 11:36   USPAT   2003/11/03 11:36   USPAT   2003/11/03 11:36   USPAT   2003/11/03 11:40       | _       | 1 4    | 4392307"   "4699083"   "4806321").PN.                         | İ         | , ==, == == == = = = = = = = = = = = =  |
| Systial   Solid   Solid   Solid   Systial       | _       | i      | 0210003.URPN.   | USPAT     | 2003/11/03 11.10                        |
| 18/729.ccls. and ((pair two dual) with (substrate wafer)   118/729.ccls. and ((pair two dual) with (substrate wafer)   118/728.ccls. and ((pair two dual) with (substrate wafer)   118/728.ccls. and ((pair two dual) with (substrate wafer) with vertical\$4)   4958592.URPN.   495868331").PN.   4958592.URPN.   4958592.UR   |         | "      | "5000101"   "5851041"   "5955858"                             | USPAT     | 2003/11/03 11:10                        |
| (substrate wafer)   1187/28.ccls. and ((pair two dual) with (substrate wafer) with vertical\$4)   4958592.URPN.   4970986.URPN.   4970986.URPN.   USPAT   2003/11/03 11:13   USPAT   2003/11/03 11:15   USPAT   2003/11/03 11:17   USPAT   2003/11/03 11:17   USPAT   2003/11/03 11:17   USPAT   2003/11/03 11:20   USPAT   2003/11/03 11:35   USPAT   USPAT   USPAT   2003/11/03 11:36   USPAT   USPAT   USPAT   2003/11/03 11:36   USPAT   USPAT   2003/11/03 11:40   USPAT   USPAT   2003/11/03 11:40   USPAT   2003/11/0 |         | 620    | 3988191"   "6113165"   "6116848").PN.                         |           | 1 |
| 18/728.ccls. and ((pair two dual) with (substrate wafer) with vertical\$4)  |         | 020    | 118//28.ccls. and ((pair two dual) with                       | USPAT;    | 2003/11/03 11:13                        |
| Substrate wafer) with vertical\$4   US-PGPUB  | _       | 60     | (Substrate wafer) )   | US-PGPUB  | 11.15                                   |
| 15  |         | 09     | 110//28.CCIs. and ((pair two dual) with                       | USPAT;    | 2003/11/03 11.13                        |
| 9 4970886.URPN. 1 6106628.URPN. 5 ("5038711"   "5427620"   "5554224"   USPAT 2003/11/03 11:15 20 2003/11/03 11:20 USPAT 2003/11/03 11:35 USPAT 2003/11/03 11:36 USPAT 2003/11/03 11:36 USPAT 2003/11/03 11:40 USPAT; USP  | ~       | 1 1 5  | (Substrate water) with vertical\$4)                           | US-PGPUB  |   |
| 1   6106628.URPN.   |         | T .    | 4938392.URPN.   | USPAT     | 2003/11/03 11:15                        |
| C   C   C   C   C   C   C   C   C   C   | _       |        | 4970986.URPN.   | USPAT     | 2003/11/03 11:17                        |
| "5679405"   "5688331").PN.  "10173032"  2 "60105246"  3 "4062318"  (("4062318") or ("6540468") or ("6497403") or ("5147168")).PN.  5147168.URPN.  ("4042128"   "4274936"   "4749465"   USPAT EPO; JPO; DERWENT USPAT  USPA  | _       | 1      | 0100028.URPN.   | USPAT     | 2003/11/03 11:20                        |
| 2   |         | 3      | ("5038711"   "5427620"   "5554224"                            | USPAT     | 2003/11/03 11:20                        |
| Comparison of the comparison    | _       |        | "5688331").PN.  |           | 1 2 3 3 11 2 0                          |
| DERWENT EPO; JPO; JPO; DERWENT EPO; JPO; DERWENT USPAT; USPAT; USPAT  USPAT USPAT;   |         | 2      | "101/3032"  | EPO; JPO: | 2003/11/03 11-35                        |
| EPO; JPO; DERWENT USPAT; US-PGPUB USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB US-PGP  |         |        | H COLOT OF O 1 PM   |           | 2003/11/03 11.55                        |
| - 3 "4062318"  - 4 (("4062318") or ("6540468") or ("6497403") or ("5147168")).PN.  - 7 5147168.URPN. ("4042128"   "4274936"   "4749465"   "4832981").PN.  - 0 shinji-nakahara.in.  - 26 nakahara-shinji.in. imai-masato.in. mayusumi-masanori.in. inoue-kazutoshi.in. gima-shintoshi.in.  - 0 6262393.URPN.  - 0 "19129553"  - 4679 minagawa.in.  2 "09129553"  DERWENT EPO; JPO; DERWENT USPAT; US  |         | 2      | "60105246 <b>"</b>  |           | 2003/11/03 11.25                        |
| 4 (("4062318") or ("6540468") or ("6497403") Or ("6497403") Or ("5147168")).PN.  7 5147168.URPN. 4 ("4042128"   "4274936"   "4749465"   USPAT USPAT 2003/11/03 11:40 USPAT; US-PGPUB US-PGPUB US-PAT; US-PGPUB US-PA  | _       |        | W.4.0.C.0.7.0.W   |           | 12000/11/03 11.33                       |
| The state of the    |         | 3      | "4062318"   | EPO; JPO: | 2003/11/03 11.36                        |
| - ("4062318") or ("6540468") or ("6497403") or ("5147168")).PN.  7 5147168.URPN. ("4042128"   "4274936"   "4749465"   USPAT  USPAT  | _       | 1      | 44740.00  |           | 2003/11/03 11:36                        |
| To start the start of the start  |         | 4      | (("4062318") or ("6540468") or ("6497403")                    | _         | 2003/11/03 12:06                        |
| - 4 ("4042128"   "4274936"   "4749465"   USPAT  US-PGPUB USPAT EPO; JPO; DERWENT EPO; JPO;  | _       |        | or ("5147168")).PN.   |           | 2003/11/03 12:00                        |
| "4832981").PN. shinji-nakahara.in.  26  | _       | 1      | 514/168.URPN.   |           | 2003/11/03 11.40                        |
| - 0 shinji-nakahara.in.  - 26 nakahara-shinji.in. imai-masato.in. mayusumi-masanori.in. inoue-kazutoshi.in 0 6262393.URPN 0 "19129553" - 0 "19129553" - 4679 minagawa.in 2 "09129553" - 2 "09129553" - 2 "09129553" - 2 "09129553" - 3 Shinji-nakahara.in USPAT; US-PGPUB USPAT; US-PGPUB - USPAT EPO; JPO; 2004/10/12 14:24 - EPO; JPO; DERWENT EPO; JPO; DERWENT - DERWENT EPO; JPO; DERWENT - DERWENT EPO; JPO; 2004/10/12 14:23   |         | 4      | ("4042128"   "4274936"   "4749465"                            | -         | 2003/11/03 11:40                        |
| - 26 nakahara-shinji.in. imai-masato.in. mayusumi-masanori.in. inoue-kazutoshi.in. gima-shintoshi.in. 6262393.URPN 0 "19129553" - 0 "19129553" - 4679 minagawa.in 2 "09129553" - 2 "09129553" - 2 "09129553" - 2 (004/10/12 14:24 DERWENT EPO; JPO; DERWENT EPO; D        | _       |        | "4832981").PN.  |           | 2003/11/03 11:40                        |
| - 26 nakahara-shinji.in. imai-masato.in. mayusumi-masanori.in. inoue-kazutoshi.in. gima-shintoshi.in. 6262393.URPN 0 19129553" - 0 "19129553" - 4679 minagawa.in 2 "09129553" - 2 "09129553" - 2 "09129553" - 2 "09129553" - 36 painagawa.in. US-PGPUB USPAT; US-PGPUB US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; U        |         | 0      | shinji-nakahara.in.   | USPAT:    | 2004/10/12 14:10                        |
| Makanara-shinji.in. imai-masato.in. mayusumi-masanori.in. inoue-kazutoshi.in.   USPAT; US-PGPUB   | _       | 0.5    |   |           | 2004/10/12 14:19                        |
| mayusumi-masanori.in. inoue-kazutoshi.in. gima-shintoshi.in. 0 6262393.URPN. "06267855"  USPAT EPO; JPO; 2004/10/12 14:22 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:23  | _       | 26     | nakahara-shinji.in. imai-masato.in.                           |           | 2004/10/12 10 00                        |
| - 0 6262393.URPN 2 "06267855"  - 0 "19129553"  - 4679 minagawa.in 2 "09129553"  - 2 "09129553"  USPAT EPO; JPO; 2004/10/12 14:22 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 14:24 DERWEN        |         |        | mayusumi-masanori.in. inque-kazutoshi in                      |           | 2004/10/13 10:00                        |
| - 2 "06267855"  - 0 "19129553"  - 4679 minagawa.in.  - 2 "09129553"  USPAT EPO; JPO; 2004/10/12 14:22 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 D  |         | _      | gima-snintoshi.in.  | OB TOTOB  |   |
| - 0 "19129553"  | _       | 1 1    |   | USPAT     | 2003/11/02 12 12                        |
| DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; DERWENT EPO; DERWENT EPO  | _       | 2      | "06267855"  |           | 2003/11/03 12:10                        |
| EPO; JPO; 2004/10/12 14:24 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24 DERWENT EPO; 2004/10/12 DERWENT EPO;   |         |        |   |           | 2004/10/12 14:22                        |
| - 4679 minagawa.in. DERWENT EPO; JPO; DERWENT EPO; JPO; DERWENT EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24   | _       | 0      | "19129553"  |           | 2004/10/10 11                           |
| EPO; JPO; 2004/10/12 14:23 DERWENT EPO; JPO; 2004/10/12 14:24   |         |        |   |           | 2004/10/12 14:24                        |
| - 2 "09129553"   DERWENT   EPO; JPO; 2004/10/12 14-24   | _       | 4679   | minagawa.in.  |           | 2004/10/10 11 07                        |
| EPO; JPO; 2004/10/12 14-24  |         |        |   |           | 2004/10/12 14:23                        |
| DERWENT 2004/10/12 14:24  | -       | 2      | "09129553"  |           | 2004/10/12 11 21                        |
|   |         |        |   | DERWENT   | 2004/10/12 14:24                        |